

Amendments to the Claims

1. (Cancelled)

2. (Currently Amended) A fuel cell stack according to claim 1 wherein the number of groups is three.

3. (Currently Amended) A fuel cell stack ~~according to claim 1~~ including comprising:

a cascaded fuel flow field having at least a first group of fuel cells receiving fuel from a source, a second group of fuel cells normally receiving fuel from said first group, and a third group of fuel cells normally receiving fuel from said second group of fuel cells, and in which the number of fuel cells in each group exceeds the number of fuel cells in any group downstream thereof in said fuel flow field;

at least one fuel inlet means settable in either of two conditions, operable in a first condition to cause fuel to flow directly from said source only into said first group of fuel cells, and operable in a second condition to cause fuel to flow directly from said source into each of said groups of fuel cells without such fuel first flowing through any other group of fuel cells;

at least one fuel outlet means settable in either of two conditions, operable in a first condition to cause fuel to flow directly to exhaust only from a last group of said fuel cells, and operable in a second condition to cause fuel to flow from each of said groups of fuel cells directly to exhaust without such fuel first flowing through any other group of fuel cells; and

a controller for selectively setting said fuel inlet means and said fuel outlet means into said first conditions during normal, electricity-producing fuel cell operation, and for setting said fuel inlet means and said fuel outlet means into said second conditions during purging of said fuel cell stack.

4. (Currently Amended) A fuel cell stack according to claim + 3 wherein said fuel inlet means includes a valve between said source and said first group and a valve between said source and at least said second and third groups.

5. (Currently Amended) A fuel cell stack according to claim + 3 wherein said fuel outlet means includes a valve between said exhaust and said last one of said groups and a valve between said exhaust and at least said first and second groups.

6. (Currently Amended) A fuel cell stack according to claim + 3 further comprising:
fuel inlet and fuel exhaust manifolds; and wherein:
said fuel inlet means is between said source and said fuel inlet manifold,
and said fuel outlet means is between said fuel exhaust manifold and said exhaust.

7. (Currently Amended) A fuel cell stack ~~according to claim 1~~ further comprising:
a cascaded fuel flow field having at least a first group of fuel cells receiving fuel from a source, a second group of fuel cells normally receiving fuel from said first group, and a third group of fuel cells normally receiving fuel from said second group of fuel cells, and in which the number of fuel cells in each group exceeds the number of fuel cells in any group downstream thereof in said fuel flow field;
at least one fuel inlet means settable in either of two conditions, operable in a first condition to cause fuel to flow directly from said source only into said first group of fuel cells, and operable in a second condition to cause fuel to flow directly from said source into each of said groups of fuel cells without such fuel first flowing through any other group of fuel cells;
at least one fuel outlet means settable in either of two conditions, operable in a first condition to cause fuel to flow directly to exhaust only from a last group

of said fuel cells, and operable in a second condition to cause fuel to flow from each of said groups of fuel cells directly to exhaust without such fuel first flowing through any other group of fuel cells; and

fuel inlet and fuel exhaust manifolds; ~~and wherein,~~ said fuel inlet means ~~is~~ being within said fuel inlet manifold[[.]] and said fuel outlet means ~~is~~ being within said fuel exhaust manifold.

8. (Original) A fuel cell stack according to claim 7 wherein said fuel inlet means and said fuel outlet means are rotatable between said two conditions.

9. (Original) A fuel cell stack according to claim 8 wherein said fuel inlet and exhaust manifolds are external to said fuel cell stack.

10. (Original) A fuel cell stack according to claim 7 wherein said fuel inlet means and said fuel outlet means are slidable between said two conditions.

11. (Original) A fuel cell stack according to claim 10 wherein said fuel inlet manifold and said fuel exhaust manifold are internal of said fuel cell stack.